

Executive Summary Report

SMOG CHECK Statewide

August 2006

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	854,732	110,234	12.90%
Total	1,002,356	143,924	14.36%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	727,932	85.16%	126,800	14.84%
Total	834,274	83.23%	168,082	16.77%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	410,546	84.91%	72,981	15.09%
Total	474,449	83.79%	91,772	16.21%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	21,289	2.49%
All Emissions	67,311	7.88%
All Visual	12,071	1.41%
All Functional	35,274	4.13%
OBDII	28,185	3.30%
Overall	110,234	12.90%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	676,170	89,269	13.20%	16,836	2.49%
Partially Enhanced	39,379	5,619	14.27%	1,123	2.85%
Basic	76,773	8,873	11.56%	2,103	2.74%
Change of Ownership	6,841	1,037	15.16%	308	4.50%
No Program	5	0	0.00%	0	0.00%
Unknown Program	55,564	5,436	9.78%	919	1.65%
Total Program Area	854,732	110,234	12.90%	21,289	2.49%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	483,527	71,156	14.72%	14,916	3.08%
Regular	316,410	31,711	10.02%	4,972	1.57%
Basic Area Dealer	6,020	317	5.27%	50	0.83%
Gold Shield in Enhanced Area	33,340	4,550	13.65%	771	2.31%
Gold Shield in Basic Area	7,448	1,128	15.15%	277	3.72%
Gold Shield in COO Area	4,882	673	13.79%	199	4.08%
Business Fleet	37	1	2.70%	0	0.00%
Permanent Fleet Registered	230	24	10.43%	3	1.30%
Referee	1,004	516	51.39%	86	8.57%
Government Fleet	1,833	157	8.57%	15	0.82%
Unknown Privilege	1	1	100.00%	0	0.00%
Total	854,732	110,234	12.90%	21,289	2.49%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	236,925	208,331
Directed Vehicles	246,602	202,215
Total	483,527	410,546

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	45,322	38,532
Directed Vehicles	348	71
Total	45,670	38,603

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6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1955	3	3	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
1960	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
1966	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
1969	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1972	1	1	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%
1974	10	1	10.00%	10.00%	0.00%	10.00%	10.00%	0.00%
1975	24	8	33.33%	29.17%	12.50%	25.00%	12.50%	0.00%
1976	1,848	532	28.79%	23.05%	11.53%	13.53%	7.03%	0.00%
1977	2,673	678	25.36%	19.23%	9.02%	13.95%	6.70%	0.00%
1978	3,046	816	26.79%	20.35%	9.88%	13.36%	8.31%	0.00%
1979	3,434	1,012	29.47%	23.41%	11.12%	14.65%	8.77%	0.00%
1980	2,198	614	27.93%	22.66%	11.56%	14.60%	7.92%	0.00%
1981	2,703	856	31.67%	26.45%	12.32%	15.24%	8.62%	0.00%
1982	3,028	930	30.71%	25.73%	12.19%	16.38%	7.79%	0.00%
1983	4,428	1,269	28.66%	23.76%	10.39%	13.84%	7.14%	0.00%
1984	7,866	2,466	31.35%	26.07%	13.11%	16.15%	7.02%	0.00%
1985	10,810	3,112	28.79%	23.74%	11.18%	14.17%	6.45%	0.00%
1986	16,373	4,354	26.59%	21.37%	9.66%	13.86%	4.77%	0.00%
1987	18,272	5,142	28.14%	23.23%	9.78%	13.74%	4.43%	0.00%
1988	22,245	5,460	24.54%	20.02%	7.63%	11.87%	3.51%	0.00%
1989	28,771	6,080	21.13%	16.63%	5.98%	10.41%	2.70%	0.00%
1990	31,940	6,154	19.27%	15.43%	5.23%	8.69%	2.08%	0.00%
1991	35,710	6,245	17.49%	13.70%	4.41%	7.79%	1.73%	0.00%
1992	35,227	5,595	15.88%	12.46%	3.99%	6.64%	1.59%	0.00%
1993	41,238	7,166	17.38%	14.20%	3.23%	6.50%	1.57%	0.00%
1994	52,298	6,647	12.71%	9.90%	1.93%	4.76%	1.28%	0.00%
1995	46,609	5,932	12.73%	9.51%	1.97%	4.98%	1.32%	0.00%
1996	64,893	9,392	14.47%	5.58%	0.80%	1.26%	0.79%	9.54%
1997	49,846	6,476	12.99%	4.55%	0.81%	1.22%	0.69%	9.01%
1998	90,421	7,551	8.35%	2.50%	0.40%	0.65%	0.42%	5.86%
1999	51,651	4,068	7.88%	1.70%	0.30%	0.59%	0.45%	5.91%
2000	144,946	7,986	5.51%	0.85%	0.19%	0.48%	0.28%	4.32%
2001	23,838	1,343	5.63%	0.55%	0.10%	0.47%	0.29%	4.45%
2002	24,772	1,107	4.47%	0.45%	0.12%	0.31%	0.13%	3.53%
2003	11,302	375	3.32%	0.22%	0.07%	0.22%	0.20%	2.53%
2004	7,910	311	3.93%	0.72%	0.05%	0.20%	0.57%	2.71%
2005	7,542	288	3.82%	0.11%	0.04%	0.30%	0.20%	3.10%
2006	6,551	237	3.62%	0.21%	0.06%	0.20%	0.18%	3.10%
2007	300	25	8.33%	0.33%	0.00%	0.00%	0.00%	8.00%
Total Model Year	854,732	110,234	12.90%	7.88%	2.49%	4.13%	1.41%	3.30%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	839
Certificate of Non Compliance	2
Parts Cost	97
Hardship Extensions	98
Exempt Vehicle	69
Exempted by Directive	185
Parts Exemption	3
Unknown Outcome	0
	1,293

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,289
Stations Locked-Out at Least Once	121
Stations Conducted at Least One Test	7,808

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,855	6,249
EA	Gas Endorsement	18	0
EB	Both Endorsement	53	0
EB	Gas Endorsement	575	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	430,993	48.60	40,156	48.59	471,149	48.60
Test and Repair	223,920	46.73	87,319	43.93	311,239	45.95
Test and Repair Dealer	23	37.65	5,997	48.53	6,020	48.49
Referee	677	30.00	174	30.00	851	30.00
Gold Shield in Enhanced Area	25,790	46.37	7,557	43.22	33,347	45.66
Gold Shield in Basic Area	10	71.20	7,541	37.76	7,551	37.80
Gold Shield in COO Area	515	57.13	4,754	47.86	5,269	48.77

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	8,416	22.58	27,936	203.51
	\$51-150	7,344	99.71		
	\$151-250	4,644	199.03		
	\$251-450	4,654	336.28		
	Over \$450	2,878	790.05		
Cap Repairs	\$0-50	221	28.14	3,606	320.14
	\$51-150	467	107.04		
	\$151-250	682	203.02		
	\$251-450	1,326	347.37		
	Over \$450	910	548.51		
Total Repairs	\$0-50	7,684	22.89	29,030	235.61
	\$51-150	6,478	99.89		
	\$151-250	4,990	199.64		
	\$251-450	5,815	339.18		
	Over \$450	4,063	750.26		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	3,606	320.14

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	11	2	0	0	1	1	0	0

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	51	7	1	0	1	4	3	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	52	8	1	0	1	5	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	6	3	0	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	26	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	493	45	6	2	22	13	12	3
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	563	60	8	3	26	24	13	6
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	20,199	2,991	400	154	1,180	1,485	740	306
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	87	8	0	44	36	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	153	23	3	2	6	8	6	4
Acceleration Simulation Mode (ASM)	Enhanced	Referee	384	356	61	139	79	187	115	194
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	179,650	19,749	2,571	982	7,476	9,781	5,138	1,835
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	602	33	1	1	24	1	4	1
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	374,556	65,872	13,769	3,712	13,610	44,601	22,209	7,182
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	53	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,711	608	136	38	144	404	171	83
Acceleration Simulation Mode (ASM)	Partial	Referee	18	25	5	15	4	10	8	19
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	19,087	3,213	626	181	716	2,049	1,088	339
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	78	5	0	0	4	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,210	1,760	354	126	403	1,135	528	237
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	2,062	316	59	15	101	172	83	42

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	57	5	1	16	36	6	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	130	85	9	7	12	71	10	61
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	22,342	2,146	271	114	922	1,009	466	195
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	17,220	2,182	430	113	769	1,274	568	235
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	0	1	0	1	0	1	0	1
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,951	975	246	79	194	457	431	148
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	345	43	12	1	12	27	9	4
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,970	549	149	42	134	265	218	84
Two Speed Idle (TSI)	Basic	Government Fleet	0	4	1	0	2	2	0	0
Two Speed Idle (TSI)	Basic	Referee	49	37	9	16	4	17	11	23
Two Speed Idle (TSI)	Basic	Test and Repair	45,522	5,880	1,342	359	1,454	2,695	2,387	674
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,075	236	42	6	79	95	66	22
Two Speed Idle (TSI)	Basic	Test Only	7,203	1,131	300	64	275	570	356	147
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	142	31	7	1	3	20	13	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,963	443	136	30	66	256	178	58
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	148	38	12	1	4	22	14	4
Two Speed Idle (TSI)	Change of Ownership	Referee	5	5	1	2	1	2	4	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,430	358	98	26	87	176	141	54
Two Speed Idle (TSI)	Change of Ownership	Test Only	850	156	54	4	29	90	68	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	8	1	0	1	0	1	1	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	17	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Enhanced	Test and Repair	251	22	4	1	10	8	5	2
Two Speed Idle (TSI)	Enhanced	Test Only	222	23	4	4	10	8	5	5
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Test and Repair	14	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Test Only	7	3	1	0	1	2	0	1

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	487	75	17	4	26	38	25	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,163	124	43	4	28	69	44	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	234	43	14	0	11	25	11	2
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	6	1	0	1	5	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	7	7	1	3	1	2	3	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	3,150	332	59	19	149	130	99	39
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	679	40	7	2	27	8	3	3
Two Speed Idle (TSI)	Unknown Program	Test Only	215	21	3	3	9	5	5	5

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